

To: Kovalcik, Kasey[Kovalcik.Kasey@epa.gov]; Buckley, Timothy[Buckley.Timothy@epa.gov]; Norris, Gary[Norris.Gary@epa.gov]
From: Landis, Matthew
Sent: Mon 8/10/2015 8:13:21 PM
Subject: RE: R6 lab parameters

Tim,

I assume that due to the high visibility aspect of this incident we would need rock solid numbers using a vetted SOP. As Kasey mentioned there is no SOP or experience for liquid samples on the XRF.

Matt

From: Kovalcik, Kasey
Sent: Monday, August 10, 2015 4:02 PM
To: Buckley, Timothy; Landis, Matthew; Norris, Gary
Subject: RE: R6 lab parameters

I don't think anyone on campus has used that XRF for liquid analysis, although I believe it's capable. That is definitely not rapid.

kasey

From: Buckley, Timothy
Sent: Monday, August 10, 2015 3:06 PM
To: Landis, Matthew; Norris, Gary; Kovalcik, Kasey
Subject: RE: R6 lab parameters

Any thoughts on the use of XRF to achieve rapid / screening analysis?

Tim

From: Landis, Matthew
Sent: Monday, August 10, 2015 2:59 PM
To: Buckley, Timothy; Norris, Gary; Kovalcik, Kasey
Subject: RE: R6 lab parameters

Tim,

My sense is that we could do all the 200.7 and 200.8 metals in the river samples using the HF study SOPs with a reasonable spin up time. We are out of the Hg business right now and the equipment mothballed. The 245.1 would take time and money to spin up.

The larger issue would be sample preparation and filtration (by the look of the river in the news media).

Matt

From: Buckley, Timothy
Sent: Monday, August 10, 2015 2:42 PM
To: Norris, Gary; Kovalcik, Kasey; Landis, Matthew
Subject: FW: R6 lab parameters

How well suited are our methods for the analysis described below?

Tim

Timothy J. Buckley, PhD

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From: Watkins, Tim

Sent: Monday, August 10, 2015 2:29 PM

To: Garland, Jay; Bagley, Mark; Schumacher, Brian; Buckley, Timothy

Cc: Gillespie, Andrew; Orme-Zavaleta, Jennifer; Guiseppi-Elie, Annette

Subject: FW: R6 lab parameters

As discussed at NERL Sr Staff, we are exploring potential for ORD support related to the Animas spill. Below is the list of analytes that are of concern. Looking for methods support, particularly rapid methods.

Tim Watkins

Deputy Director

National Exposure Research Laboratory

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From: Kavlock, Robert
Sent: Monday, August 10, 2015 1:32 PM
To: Sayles, Gregory; Watkins, Tim
Cc: Burke, Thomas; Deener, Kathleen; Gwinn, Maureen
Subject: Fwd: R6 lab parameters

Greg/Tim

Here is the list of analytes of concern for the Animas spill. We did not say we had any rapid methods, only that we would look into if anything was available. We do need to get back to them ASAP.

Bob

Begin forwarded message:

From: "Crossland, Ronnie" <Crossland.Ronnie@epa.gov>
Date: August 10, 2015 at 1:06:41 PM EDT
To: "Kavlock, Robert" <Kavlock.Robert@epa.gov>, "Burke, Thomas" <Burke.Thomas@epa.gov>
Cc: "Coleman, Sam" <Coleman.Sam@epa.gov>, "Ruiz, Thomas" <Ruiz.Thomas@epa.gov>, "Foster, Althea" <Foster.Althea@epa.gov>, "Webster, Susan" <webster.susan@epa.gov>, "Petersen, Chris" <petersen.chris@epa.gov>, "Rauscher, Jon" <Rauscher.Jon@epa.gov>, "Turner, Philip" <Turner.Philip@epa.gov>
Subject: R6 lab parameters

Bob and Tom,

I was asked to send you a copy of the constituents and methods. It is my understanding that you might have equipment capable of doing rapid metals assessments. We are interested in hearing more about its capabilities.

Thanks,

Ronnie

TAL Metals + Molybdenum

Method 200.7: Al, Ca, Fe, K, Mg, Na

Method 200.8: Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mn, Mo, Ni, Ag, Se, Tl, V, Zn

Method 245.1: Hg